

Full Stack Software Testing Course



About QuickXpert Infotech

Best institute for IT training and placements for classroom and online training for students and corporates. We are an ISO certified institute and in the industry since 2014. Our strong training and placement team have helped thousands of students build their career.

Courses - JAVA, Dot Net, Software Testing, Web Development, Full Stack Development, MERN, MEAN, Oracle, Digital Marketing, Python, Data Analytics, Data Science & A.I., Cyber Security, Salesforce, Service Now, Tableau, Power BI, Excel, React, Angular etc.

Live Projects - MarriageKing, theVibrantBirdie, CRM etc

Corporate Trainings - GeBBS Healthcare, NVest Solutions, Infogix, PDG Software, GMV India etc.

Syllabus mentioned below.



Tools You Learn



quickxpert



& more ...



Manual Testing With AI & ISTQB Preparation

Testing Fundamentals

- Overview, QA, QC

Life Cycles

- SDLC - Software Development Life Cycle
- STLC - Software Testing life Cycle
- Difference between SDLC & STLC

Software Testing Models

- WaterFall Model
- V Model
- Agile Methodology
- Iterative Model
- RAD Model
- Agile Testing
- Advantages of Models
- Dis-advantages of Models

Functional Testing

- Black Box Testing
- White Box Testing



Non Functional Tests

- Performance Testing
- Usability Testing
- Reliability Testing
- Security Testing

Test Cases

- Understanding Project
- Writing Test Cases in Excel
- Executing Test Cases

Test Design Techniques

- Static testing
- Review Process
- Roles and Responsibilities of Review Process
- Test Case Preparation
- Boundary Value Analysis
- Equivalence Partitioning
- Software Verification
- Software Validation
- Stress Testing
- Load Testing
- Endurance Testing
- Testing Metrics



Bug Life Cycle

Regression Testing

- Addition of Modules
- Testing on Addition of Modules

Other Testing Techniques

- UAT
- Alpha
- Beta

Test Management

- Risk Analysis
- Test Monitoring, Test Control and Test Completion
- Managing the Test Activities
- Experience-based Test Techniques
- Exploratory Testing
- Essential Skills and Good Practices in Testing
- Generic Skills Required for Testing
- Whole Team Approach
- Independence of Testing



Software Testing with AI

- Using AI to analyze Reported Defect
- Using AI for TestCase Generation
- Using AI for the Optimization of Regression Test Suites
- Using AI to test through GUI

Database Testing

- SQL Concepts
- Database Testing Process
- SQL Queries
- Select
- Insert
- Update
- Delete
- Joins

ISTQB Exam Preparation

- ISTQB Syllabus and advanced topics already covered in this manual testing course
- Sample MCQs questions and answer PDF provided



JIRA & Agile Testing

- Introduction to Jira Atlassian
- Definitions
- Functionalities
- Jira Software Products and Issue tracking
- Agile Framework & Manifesto
- Jira setup / account / project creation

Scrum Master

- Introduction to Scrum Master
- Creating Project using Scrum Template
- Scrum Events and Artifact
- Sprint Planing
- Scrum Roles
- Stand-ups
- Iteration/Sprint Planning Meeting
- Retrospectives
- Distributed Scrum

Projects on

- Android App
 - Website
- Web Application



Automation Testing

Automation Concepts

- Description
- Definition
- Functionalities
- Regression Testing

Java Programming

- Control Structures
- If Else, For Structure Looping
- While Looping
- Do-While Looping
- Object Creation
- Methods Creation
- Arrays and Strings
- Packages
- OOPs Concepts
- Collection and Generics (Array List, Linked List, Set Interface, Hash-map, Hash-Set, Map Interface)
- JDBC Connection - covered in Adv. Automation Testing
- Exception Handling - covered in Adv. Automation Testing
- File Handling
- File IO - covered in Adv. Automation Testing
- MYSQL(Setup & Configuration)



- Creating Database, Tables and CRUD Operations
- JDBC Configuration and CRUD Operations

HTML Overview

- Header and Body Tags
- Meta Tags
- Get, Post methods & difference
- HTML 5 Components & Validations overview

Selenium IDE

- Setup, Record / PlayBack
- Manual Editing
- Auto-script - using Commands

Selenium Web Driver

- Package API Usage
- Web Driver Commands
- Operations
- Web Driver Scripting
- Regression Testing
- Selenium Remote Control
- Selenium Grid
- Javascript Executor
- Implicit & Explicit Waits
- Selenium Exceptions



Scenario Based Automation

- Validating Forms
- Validating Application Flow
- Logging Defects

Test-NG Scripting

- Introduction
- Data Providers
- Setting Priority Level on Methods
- Enable & Disable Methods using Test NG
- POM - Page Object Model

JMeter Performance Testing Tool

- Introduction
- Where it is required?
- Installation
- Building Test Plans
- Creating & Assigning Threads in Thread Group
- Executing Test Plans through HTTP Request
- Assertions
- JDBC Connection Configuration
- JDBC Request
- Generating test report of Database



Cross Browser & Parallel Testing

- Overview
- Using TestNG to Test Multiple Browsers in Same Program e.g. Mozilla Firefox, Chrome etc.

Automation Frameworks

Maven Build

- Introduction
- Download and Install Maven plugins
- Maven Repository
- Add Dependencies in POM file
- Maven Integration with Selenium
- Generate Report

Excel Driven Framework

- Using Apache POI API Libraries in java
- Using Excel files - requires Java File IO
- Project -Get Test Data from MYSQL using Java JDBC ,Test Application using Selenium and Generate Defect Report

Data Driven Framework

- Using MYSQL Server



- JDBC and SQL Crud
- Project -Get Test Data from Excel using Apache POI,Test Application using Selenium and Generate Defect Report

Cucumber Framework

- Introduction
- Overview of BDD Framework
- Downloading and installing cucumber plugins
- Creating Feature file
- Write & Run Gherkin Test in cucumber
- Given-When-Then Structure
- Implementing Scenarios Steps
- Creating Step Definition
- Integrating Selenium and Step Definition
- Integrating Junit with Cucumber
 - Overview of JUnit
 - Using Junit Test Runner
 - Junit Test Suite
- Generate Test Reports
 - Default Cucumber Report
 - Extent Report

Best Practice

Project



API Testing

Introduction to API Testing

- What is API Testing?
- Difference between API & Web Services?
- Client-Server Architecture
 - 1-Tier Architecture
 - 2-Tier Architecture
 - 3-Tier Architecture
- Layers in API Testing
- Types
 - SOAP(Simple Object Access Protocol)
 - RESTful API/Web services(Representational State Transfer)
- Methods of REST API/HTTP Request
 - Get, Post, Put, Delete methods

Payload

- Request Payload
- Response Payload

Postman

- Introduction & Installation
- Workspace
- Collections and Requests
- Working with Postman



API Testing using Postman

- Creating Collections
- Creating Request
- Creating Environment Variables
- Creating Basic Authentication
- Creating test Sample of API's
- Request JSON Format
- Response JSON Format
- How to write the javascript to validate the response
- Make the requests dynamic by taking advantage of variables

API Validations(project)

- Validating the body of first JSON response
- Validating response headers and status codes
- Understanding query parameters on sending request
- Validating status code
- Validating Response time

Jenkins

- Introduction to Jenkins
- CI/CD (Contiuuous Integration / Continuous Deployment)
- Installation
- Maven and Jenkin integration
- Create Users and Roles
- Manage and assign roles



- Plugins
- Slack Notifications
- Browser Stack
- Green Balls
- Pipeline Job
- Introduction
- Manage Jobs
- Slack integration
- View Selenium Reports on Jenkins
- Clean up



MYSQL

Learn both MySQL & Adv. MySQL

- Asked in most interviews

Basics & Installations

- MySQL Server
- Workbench (client)

DDL - Data Definition Language

- Tables - Create, Alter, Drop, Auto Increment
- Constraints - Not Null, Primary Key, Unique Key, Foreign Key
- Index - Why required, Create, Drop

DML - Data Manipulation Language

- Insert, Update, Delete & Truncate

Transactions

- Commit & Rollback

DQL - Data Query Language (Select)

- Filters
 - Operators - <, <=, >, >=, =, !=



- BETWEEN
- IN
- LIK
- NOT
- NULL
- AND, OR, NOT
- Multi conditions filtering
- DISTINCT
- Limit, offset
- **Sorting**
 - Ascending Order
 - Descending Order
 - Multi Column Sorting
- **Functions**
 - Data, number, characters, null values etc.
 - Case
- **Groups**
 - Grouping functions - AVG, MIN, MAX, COUNT, DISTINCT COUNT
 - Grouping Filters - HAVING
- **Joins**
 - Cartesian Product
 - Equi and Non-Equi Joins
 - Left Outer Join
 - Right Outer Join
 - Full Outer Join



- Self Join
- SET Operators
 - Union, Union All, Intersect, Minus
- Subquery
 - Single Valued
 - Multi Valued
- Views & Inline Views
- Procedures
 - Programming basics - if..else, for loop
 - Procedures - create, drop
- Functions - create, drop
- Triggers - create, drop
- Project

Duration - 6 months

more info - <https://quickxpertinfotech.com/full-stack-software-testing-course>



Our Recruiters (1000+ Companies)





Our Benefits

- ISO Certified
 - Industry Level Syllabus
 - Excellent Trainers
 - Friendly Environment
 - Short interactive batches
 - Individual Attention & Doubt Solving
 - Online / Offline / Hybrid Learning
 - 100% Practical Training
 - Projects
 - Lecture Recordings (for revision, as applicable)
 - Certification Course
 - Interview and CV Preparation
 - Reasonable Fees
 - Free Demo
 - 1000+ Companies
 - Best Placement Service – *Lots of students placed in ongoing training or within just 30 days of completion of training. Students got 2.8LPA, 3LPA, 3.2LPA, 4LPA, 4.5LPA, 6LPA etc. packages.*
- & more...

Thousands of Careers Built, since 2014!

You can be the Next !!!

Please visit site for more info.



Our 5 Steps Process for Success



Contact Us

Call us - +91-7276681665, 7506252588

Address - Office 101 & 102, Pahlaj Kunj, Lohar Ali road, besides Karnavat Classes, near Jagdish Book Depot, 3 mins walk from Thane west rly stn.

Website - <https://quickxpertinfotech.com>



Join us today !!